

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER I-11-009

Relating to Independent Contractor Approval under  
California Code of Regulations, Title 17, Section 91207

Total Air Analysis, Incorporated

WHEREAS, the Air Resources Board (ARB), pursuant to California Health and Safety Code (CH&SC), section 41512 has established the procedures contained in California Code of Regulations (CCR), title 17, sections 91200-91220, to allow the use of independent testers for compliance tests required by ARB;

WHEREAS, it has been determined that Total Air Analysis, Incorporated meets the requirements of ARB for conducting ARB Test Methods 1, 2, 3, 4, 5, 6, 20, 100 (CO, CO<sub>2</sub>, NO<sub>x</sub>, O<sub>2</sub>, SO<sub>2</sub>, THC), 410A, 410B, 421, 422, 430, Visible Emissions Evaluation (VEE), and United States Environmental Protection Agency Test Method 18 pursuant to CCR, title 17, sections 91200-91220, when the following conditions are met:

1. Total Air Analysis, Incorporated permanently marks or engraves an identification number on the body of each of its pitot tubes;
2. Total Air Analysis, Incorporated uses a filter holder, and filter support as required by section 2.1.5 of ARB Test Method 5;
3. Total Air Analysis, Incorporated calibrates its metering system as required by section 5.3 of ARB Test Method 5, and establishes and maintains a log of the calibrations;
4. Total Air Analysis, Incorporated calibrates and repairs its nozzles used in isokinetic testing as required by section 5.1 of ARB Test Method 5 and establishes and maintains a log of the calibrations which shall include notes on the repairs on each nozzle;
5. Total Air Analysis, Incorporated uses a 40 percent H<sub>2</sub>/60 percent He or a 40 percent H<sub>2</sub>/60 percent N<sub>2</sub> blend, as appropriate, as fuel for its hydrocarbon analyzer;
6. Total Air Analysis, Incorporated uses noncalculating channels on its data acquisition system or a simple strip chart that meets the requirements of ARB Test Method 100, section 2.2.8;
7. Total Air Analysis, Incorporated acquires and uses a glass, Teflon or stainless steel sample gas manifold for use with ARB Test Method 20;


8. Total Air Analysis, Incorporated labels the sample bag for ARB Method 422 after the contamination check;
9. Total Air Analysis, Incorporated notes the bag leak check and the contamination level on the field data sheet for ARB Method 422;
10. The person performing VEE passed ARB's Compliance Training Course #100: Fundamentals of Enforcement (FOE or Smoke School) and is currently certified to conduct VEE. Any recertification for VEE, following the initial passage of ARB's FOE, must be by a certifying body recognized by ARB at the time VEE is performed; and

WHEREAS, ARB's Executive Officer, pursuant to CH&SC, section 39516, issued Executive Order G-02-008, delegating to the Chief of ARB's Monitoring and Laboratory Division the authority to approve independent testers in accordance with CCR, title 17, sections 91200-91220.

NOW, THEREFORE, I, Alberto Ayala, Chief of ARB Monitoring and Laboratory Division, order that Total Air Analysis, Incorporated, is granted an approval, from the date of execution of this order, until June 30, 2012, to conduct the tests listed above, subject to compliance with CCR, title 17, sections 91200-91220.

BE IT FURTHER ORDERED that during the approved period the Executive Officer or his authorized representative may field audit one or more tests conducted pursuant to this order for each type of testing listed above.

Executed at Sacramento, California, this 23<sup>rd</sup> day of May 2011.

  
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Alberto Ayala, Ph.D., M.S.E.  
Chief, Monitoring and Laboratory Division